

B/C  
6. (Amended) A ring-shaped core which is substantially closed and provided with a first gap, which first gap is substantially filled with a spacer material, which core has an inner face defining an inner circumference, an outer face defining an outer circumference, and two substantially parallel side faces, and is suitable for use in a magnetic coil,

wherein the spacer material is a synthetic resin which is substantially homogeneously distributed in the first gap and has a concave surface.

7. (Amended) The core of claim 6, wherein the synthetic resin comprises a filler.

8. (Amended) The core of claim 7, wherein the filler is a magnetic material.

9. (Twice Amended) The core of claim 6, wherein:  
the core comprises a second gap; and  
the first and the second gap enclose an angle between 5 and 355° with one another.

10. (Amended) A magnetic coil comprising:  
a ring-shaped core that is substantially closed and is provided with a first gap that is substantially filled with a spacer material of a synthetic resin that is substantially